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PN - JP4110398 A 19920410
 PD - 1992-04-10
 PR - JP19900227948 19900831
 OPD - 1990-08-31
 TI - DETERGENT COMPOSITION
 IN - MATSUMOTO KATSUO;KOBAYASHI HIROYUKI
 PA - ASAHI CHEMICAL IND
 IC - B23K1/00 ; C11D10/02

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TI - Cleaning compsn. and degreasing and flux cleaning - contg. diethylene glycol diethyl ether, sorbitan ester-ether type nonionic surfactants and polyoxyethylene type surfactants

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PA - (ASAHI) ASAHI CHEM IND CO LTD

IC - B23K1/00 ;C11D7/26 ;C11D10/02

AB - J04110398 A new cleaning compsn. contains at least 60 wt.% of diethylene glycol diethyl ether, 3-20 wt.% of one or a mixt. of sorbitan ester ether type nonionic surfactant(s) and 3-20 wt.% of one or more nonionic surfactants of polyoxyethylene alkyl ethers, polyoxyethylene alkyl phenyl ethers, polyoxyethylene fatty acid esters, glycerine fatty acid esters, sorbitan esters and polyoxyethylene polypropylene block polymers.

- Sorbitan esters ether type nonionic surfactants include polyoxyethylene sorbitan monolaurate, polyoxyethylene sorbitan monopalmitate, polyoxyethylene sorbitan monostearate and polyoxyethylene sorbitan monooleate. The polyoxyethylene alkyl ether is typically polyoxyethylene lauryl ether. The polyoxyethylene alkyl phenyl ether is pref. polyoxyethylene nonyl phenyl ether. Polyoxyethylene fatty acid esters include polyoxyethylene monolaurate.
- USE/ADVANTAGE - Good cleaning performance and finish comparable with conventional freons and chlorine type solvents and good biodegradability, without ozone layer depletion. Low toxicity and high flash pt. (0/0)
- (Dwg.0/0 the pr)

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AN - 1992-172546 [30]

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